SIEMENS

SIREMOBIL Compact

SP

Installation and Setting Instructions

Connecting a laser camera

SIREMOBIL Compact L
SIREMOBIL Compact as of
Serial Number 02001

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General

Safety Information

CAUTION	**Ensure compliance with the product-specific safety information in the documents as well as the general safety information found in Register 2 of the TI folder.**

Tests or settings performed using radiation are indicated by the radiation symbol ☢ .
Radiation protection clothing must be worn when performing such procedures.

Protective Conductor Measurement

After all work has been completed and all covers have been attached, perform a protective conductor measurement according to ARTD-002.731.17...
The protective conductor resistance must not exceed 0.2 Ohm.

Additional note

These instructions apply only to connecting a laser camera to a SIREMOBIL Compact starting from serial no. 02001.

Parts required

- Laser camera connection kit 37 79 159 G5429

Measurement devices and auxiliary materials required

- Service PC
- Digital Multimeter DMM
- Service Software (from logbook)
- Cable for connecting service PC to host 99 00 440 RE999
- Protective conductor meter 44 15 899 RV 090

Tools required

- Standard tool kit (refer to ARTD / section 3)
- 1 set of Allen keys
- Heat gun
- Drill
- 17 mm drill bit
- 16 mm drill bit
- 3 mm drill bit

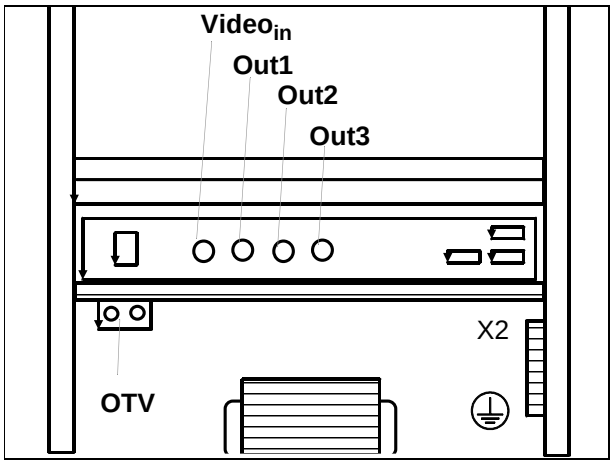

Fig. 1

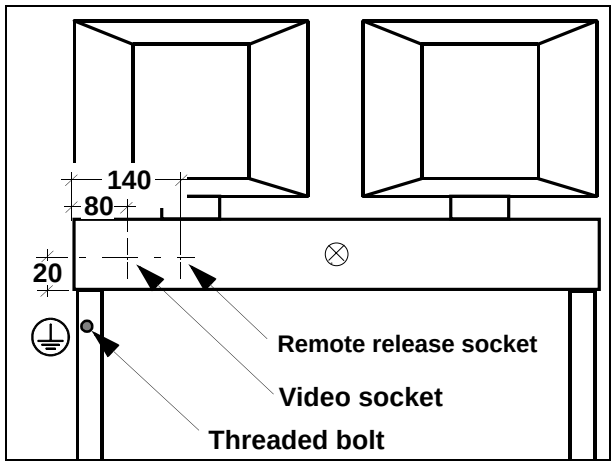

Fig. 2

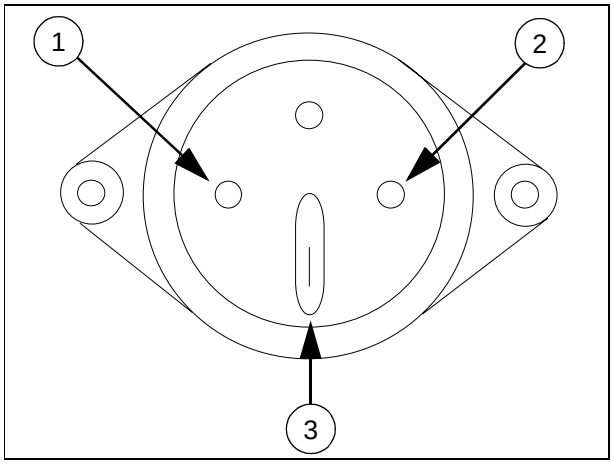

Fig. 3

CAUTION **Disconnect the SIREMOBIL Compact from power prior to beginning the work.**

Mechanical installation of the video separator device

- Install the video separator device (OTV) as indicated in Fig. 1.
  Use the mounting bracket and secure it with the two threaded bolts.
  The video sockets should point toward the back of the monitor trolley.

Installing the isolated video socket and remote release socket

- Drill two holes using the dimensions indicated in Fig. 2. The left one should be 17 mm for the video socket and the right one should be 16 mm for the remote release socket.
- Insert the remote release socket in the right hole as a drilling template and then drill both of the 3 mm attachment holes.
- Install the video socket according to Fig. 2 in the left hole (isolated).
- Subsequently, use a DMM to test whether the video socket is isolated.

Remote release socket

without multi-format camera / without video printer

- Connect the control cable at the MEMOSKOP "Printer" connector.
- Cut off the 3.5 mm socket plug.
- Remove the insulation from the ends of the wires.
- Extend the cable using the 2-conductor cable included with the shipment.
- Insulate the location of the new connections with shrink tubing.
- Route the ends of the wires through the hole drilled for the remote release socket.
- Solder the wires to the remote release socket (refer to 1/Fig.3 and 2/Fig.3).
- Solder one end of the protective conductor included with the shipment to the remote release socket (3/Fig.3) and connect the other end to the protective conductor terminal screw (1/Fig.2).
- Install the remote release socket.

When a multi-format camera is present

- Cut off the 3.5 mm socket plug of the existing control cable.
- Remove the insulation from the ends of the wires.
- Extend the cable using the 2-conductor cable included with the shipment.
- Insulate the location of the new connections using shrink tubing.
- Route the ends of the wires through the hole drilled for the remote release socket.
- Solder the wires to the remote release socket (refer to 1/Fig.3 and 2/Fig.3).
- Install the remote release socket.

When a video printer is present

- Cut off the remote control connector for the multi-format camera from the control cable.
- Remove the insulation from the ends of the cables (green and white cables).
- Extend the green and white cable using the 2-conductor cable included with the shipment.
- Insulate the location of the new connections using shrink tubing.
- Route the ends of the wires through the hole drilled for the remote release socket.
- Solder the wires to the remote release socket (refer to 1/Fig.3 and 2/Fig.3).
- Install the remote release socket.

Power cable

- Connect the power cable of the video separator device at terminals X2.1 and X2.2 (Fig.1)
- Connect the protective conductor to the protective conductor terminal strip (ye/gn) (Fig.1)
- Route the power cable to the video separator device and connect it

Video cables

When a multi-format camera or video printer is present

- Disconnect the 75 Ohm terminating resistor from the video output of the multi-format camera or disconnect the switchable 75 Ohm termination of the video printer.
- Connect the video cable to the video output of the multi-format camera or the video printer, route it to the video input of the optical video separator device, and connect it.
- Route the second video cable from the output of the optical video separator device to the isolated, built-in video socket and connect it.

Without a multi-format camera or video printer

- Connect the video cable at the MEMOSKOP "Out3" connector.
- Route the video cable to the video input of the optical video separator device.
- Route the second video cable from the output of the optical video separator device to the isolated, built-in video socket and connect it.

When a video recorder is present

- Disconnect the 75-Ohm terminating resistor of the video recorder.
- Connect the video cable to the video recorder output and route it to the video input of the optical video separator device.
- Route the second video cable from the output of the optical video separator device to the insulated, built-in video socket and connect it.

Programming

(To be performed only if the system is not equipped with a multi-format camera or a video printer.)

For Memoskop C (with keyboard):

- Switch on the system.
- Simultaneously press the [CTRL] and [U] keys on the Memoskop keyboard.
  This calls up the User Setup menu for the Memoskop.
- Select the "Documentation" sub-menu.
- Configure monitor A for a SIREMOBIL Compact with one monitor.
- Configure monitor B for a SIREMOBIL Compact with two monitors.
- If the system is equipped with an area dose measurement device (Diamentor), call up the "Documentation of Dose" sub-menu and configure "yes".
- Exit the User Setup program.

For Memoskop C-E (without keyboard)

- Switch on the system.
- Connect the service PC to the service interface accessible from the exterior.
- Install and start the MEMOSKOP C service program on the service PC.

- Configure "Documentation" on monitor A for a SIREMOBIL Compact with one monitor.
- Configure "Documentation" on monitor B for a SIREMOBIL Compact with two monitors.
- If the system is equipped with an area dose measurement device (Diamentor), call up the "Documentation of Dose" sub-menu and configure "yes".
- Exit the MEMOSKOP service program.

Function tests

- Connect an oscilloscope to the video input and the video output of the optical video separator device. The video output must be terminated with 75 Ohm.
- Open a test image (horizontal sawtooth) using the service PC or MEMOSKOP keyboard. The video signal should be 1:1.
  Check for the following:
  - correct termination (75 Ohm) of the video signals (cable)
  - the sync amplitude and the total amplitude of the BAS signal
- Connect a DMM to both contacts of the remote release socket.
- Switch the DMM to audible signal (continuity tester).
- Press the hardcopy release button on the keyboard of the monitor trolley, if present, and the release button on the basic system.
  Wait approximately 7 seconds after pressing the first button before pressing the second.

  ➪ The DMM must beep briefly.

Final steps

- Switch off the SIREMOBIL.
- Install all covers again.
- Test the protective conductor using the protective conductor meter 44 15 899 RV 090. Refer to ARTD - 002.731.17....

TD SD 24 / Fürstenberg TD SD 24 / Groß SMS Iselin / Weiss Costa